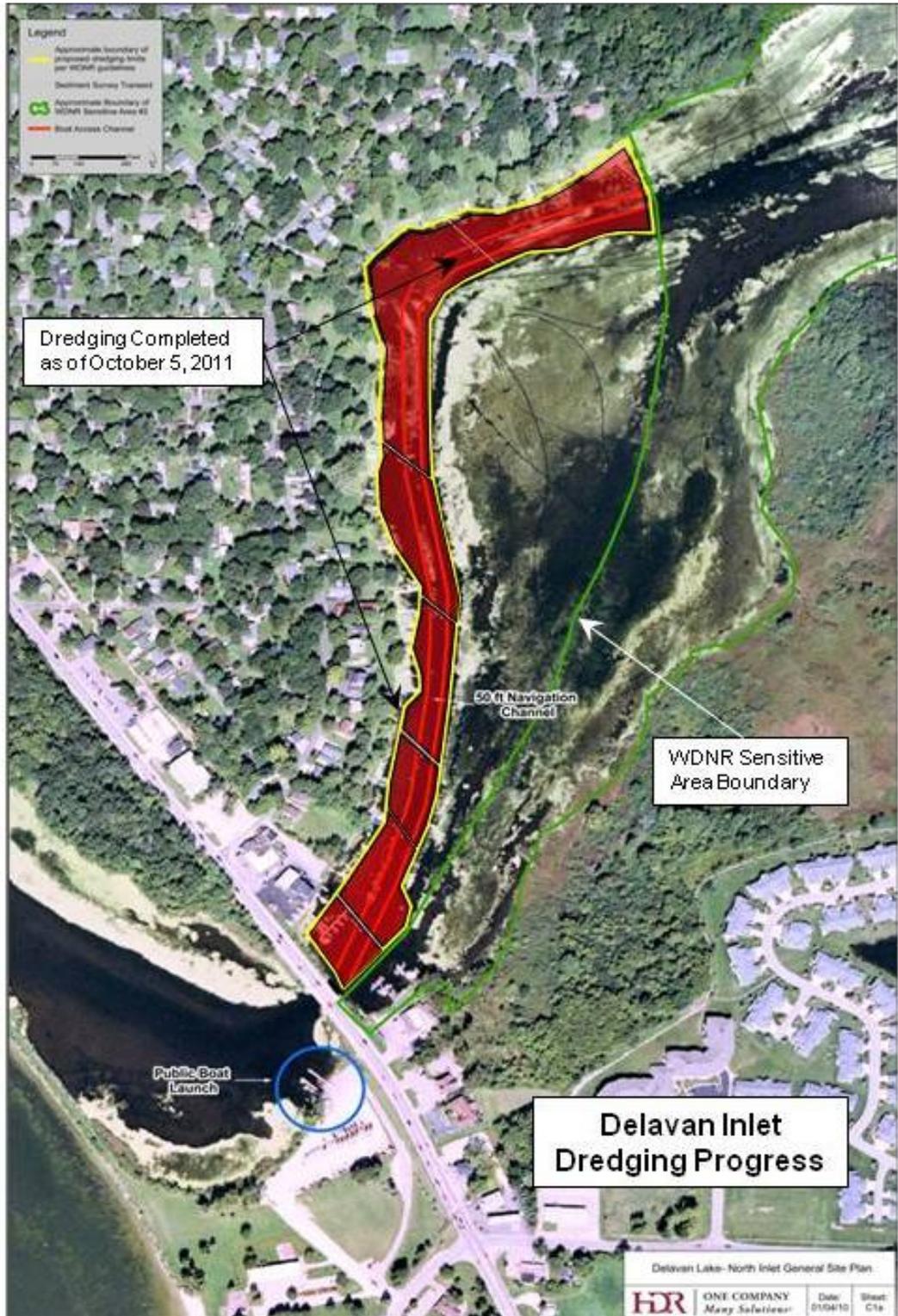


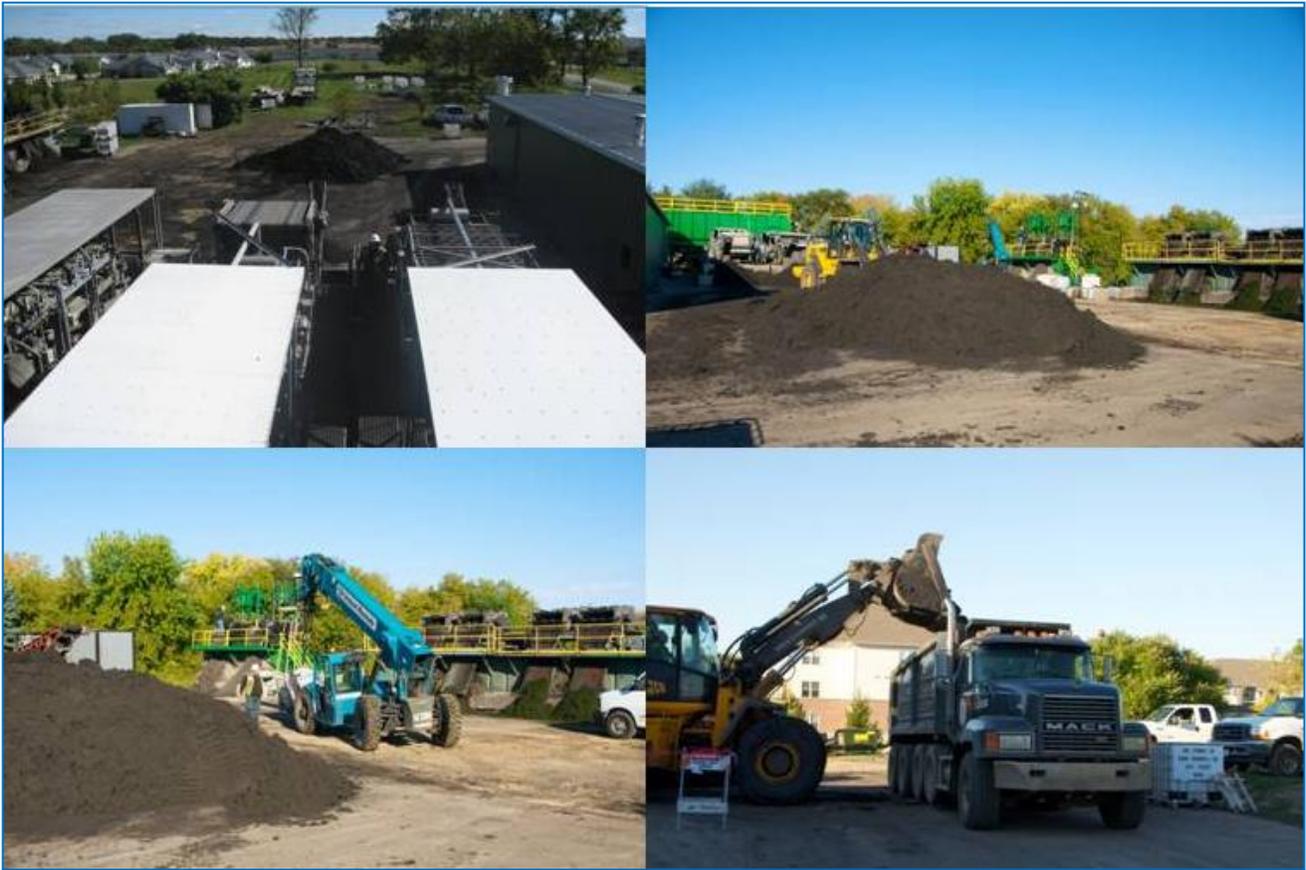
# Delavan Lake North Inlet Dredging Project

## October 7, 2011 Project Update

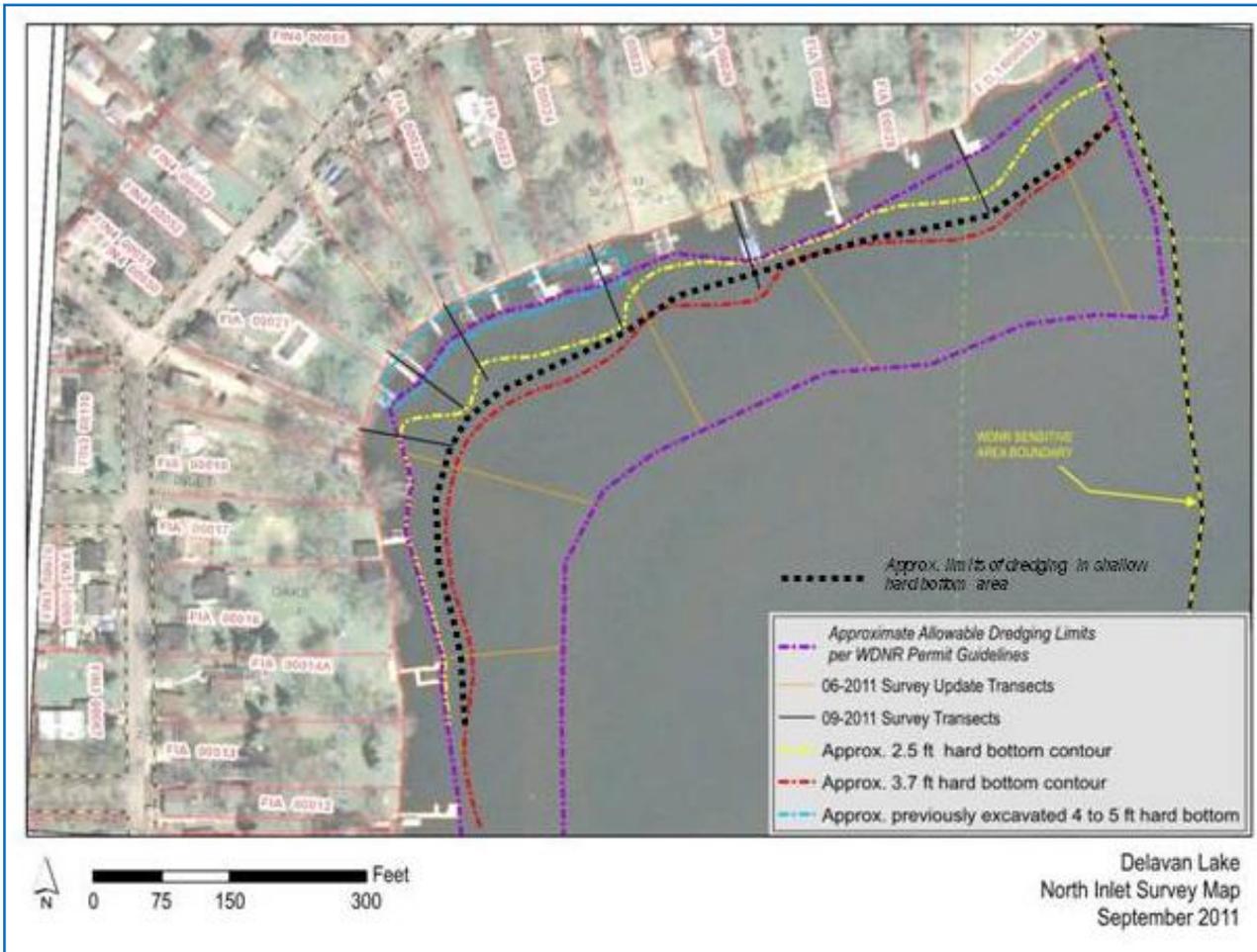
The dredging and dewatering operations at the Delavan Inlet have been completed as of October 5. JND Thomas Co. will have fully removed the 45,330 cubic yards of soft sediment as stipulated in our contract for dredging the Inlet. The work has been completed three full weeks before the scheduled completion date and within the cost levels established for the contract. Approximately 1,500 truckloads of dewatered sediment will have been hauled offsite to the approved soil storage site by Odling Construction, Inc.



Dredging and dewatering operations have been running at or near capacity for the final two weeks of the project. Shown below are views from the top of the clarifier tower and from various locations on the ground.



As the dredging proceeded to the North, especially north of transect 19+00 near the existing fire lane, dredge operators began to encounter irregular areas of hard clay bottom material in very shallow water depths. That material presented several problems. Our WDNR permit expressly prohibited dredging beyond "five feet or to hard bottom, whichever is less". Further, the permit specified that "You (the contractor) shall not dredge or otherwise disturb native hard pan materials. Removal is limited to soft sediment only." Reaching a part of the area would have required removing hard pan clay material in order to properly position and operate the dredge. In addition, the contractor was also limited by the 3 foot 7 inch operational draft of the dredging equipment. They extended their very best efforts to get the equipment as close to the shoreline and allowable dredging limits as possible. On September 22 in an effort to evaluate potential alternatives, Peter Berrini of HDR and Keith Ayers of JND Thomas completed a detailed survey and evaluation of the area. The survey findings and approximate hard bottom limits are shown in the map below, along with the estimated limits of actual dredge access. In addition, slightly undulating and variable hard bottom depths were observed within portions of the channel area.



Images of the DSC Moray dredge working in the upstream limits of the allowable North Inlet dredging area



Peter returned on Monday, October 3 to measure and confirm the completed dredging depths and estimated sediment removal volumes. He measured the entire northern end with the contractor and determined that the work had been satisfactorily completed.



The approved soil placement area used to store the dredged and dewatered sediment measures approximately 200 ft. by 400 ft. in size and the soil is stockpiled to heights ranging from 12 to 15 ft. The sediment is stored in compartments confined by stable on-site clay material in order to confine and manage the soil as it continues to dry and consolidate to allow for future beneficial reuse by our very cooperative, efficient and reliable soil hauling contractor Dean Odling, owner of Odling Construction.



**Thank you for checking this web site for project updates.**

**<http://www.townofdelavan.com/inlet-dredging-project>**